

# Dolphin® 7400 Mobile Computer

The Dolphin® 7400 handheld computer and scanner shares similar single-handed use design with the popular Dolphin® 7200 family of handhelds. Central “scan” and “enter” buttons enable use in the left or right hand.

Weighing 22.5 oz. (638 gm), the Dolphin 7400 has a rugged design that takes multiple 5-foot (1.5m) drops to concrete and its sealed case resists water and dust. The 7400 also provides a secure hand-shaped grip with integrated elastic hand strap. The 7400 meets varying needs in challenging environments of transportation, logistics, warehousing, delivery and route sales.

The 7400 computer uses IQ Imaging™, a suite of features unique to matrix imaging technology that includes enhanced signature capture, improved picture taking and superior data capture.

A state-of-the-art Intel® StrongARM™ 206MHz RISC processor runs 10x faster than 486 class processors to run Windows® CE and image-based data collection technology. The Dolphin 7400 can easily be programmed with Microsoft® eMbedded™ Visual Tools that contain CE versions of Visual C++® and Visual Basic®.



## Features & Benefits

### **Patented Ergonomic Design**

### **Modular Platform**

### **User-Friendly Windows® CE Architecture**

### **Easy Programming**

### **Three Imager Options**

### **Optional Integrated 56K Modem**

### **Reads All Popular Bar Codes**

*1D and 2D symbologies (such as PDF417, MaxiCode, Data Matrix, Vericode) or records digital photos of signatures, damage claims and more in compressed GIF (black and white) or JPEG (gray scale) files. From 2 to 7 Kb.*

### **Large 240 x 320 Pixel 1/4 VGA Display**

*With electroluminescent backlight, display is easy to view and see in most lighting conditions. Touch-screen option available.*

### **Selection of Peripherals and Accessories**

*Including desk-top and vehicle charging and communication cradles, multiple battery chargers and holsters.*

### **Industry Standard RS232 Interface**

### **9600-115kbps & 4Mbps IrDA Infrared Data Communications Port**

*For reliable wireless IR communications without mechanical connections to HomeBase™, VehicleBase™, or other IrDA devices, like printers.*

## System Architecture

### Operating System and Software:

Microsoft® Windows® CE  
Windows architecture programmable with Microsoft® eMbedded™ Visual Tools (contains CE versions of Visual C++® and Visual Basic® )

**CPU:** Intel® StrongARM™ RISC Processor, 206 MHz

**Memory:** 16-32 MB RAM, 16-32MB non-volatile FLASH, optional compact FLASH card --up to 192MB

**Calendar/Clock:** Crystal controlled

## Data Inputs

**Image Engine Options:** LX: scans from 2.0 to 15.0 in. (5.1 to 38.1 cm)

LR: scans from 1.9 to 9.4 in (4.8 to 23.9 cm)

HD: scans from 1.6 to 3.9 in ( 4.1 to 9.9 cm)

**2D Symbolologies Read:** PDF417, MaxiCode, Data Matrix, Vericode, RSS, EAN.UCC, AZTEC, OCR

**1D Symbolologies Read:** Code 3 of 9, Interleaved 2 of 5, EAN, Codabar, Code 128, Plessey, Code 11, Code 93, UPC

**Keyboard:** Three keyboard options:  
43-key alpha/numeric  
35-key numeric/alpha  
56-key full alphanumeric keypad

## Data Outputs

**Display:** 240 X 320 ¼ video graphics array (VGA) display screen  
Electroluminescent backlight  
Touch-screen option available

**I/O Ports:** RS-232, IrDA

**Optional Modem:** Low Power, High Speed, V.90 56K Fax/Modem

**Power:** 2700 mAh NiMH battery

**Status Indicator Lights:** Decode/good scan

## Structural

**Dimensions:** 9.6"L x 3.45"W x 1.9"D at display (24.53 x 8.9 x 4.8 cm), 2.7" W x 1.6 "D at grip (6.9 x 4.0cm)

**Weight:** 22.5 oz (638 g) batch base model

**Material:** Magnesium-alloy top housing and Polycarbonate ABS blend bottom housing; withstands multiple 5 ft. (1.5 m) drops to concrete.

## Environmental

### Temperature

**Operating:** 14 to 122°F (-10 to 50°C)

**Storage:** -22 to 176°F (-30 to 80°C)

**Humidity:** 95% humidity non-condensing

**Electrical Static Discharge:** 15KV on all surfaces

**Structural:** Survives multiple 5 ft. (1.5m) drops to concrete; Independently certified to meet IP-64 standards for moisture & particle resistance.

**Agency:** FCC Class B, CE

**HomeBase® Cradle:** Provides charging power to terminal while operational. Data transfer via infrared. Choose 120 V or 240 V AC power adapters.

**VehicleBase® Cradle:** Provides charging power to terminal while operational. Data transfer via infrared com port. Uses 12V - 24V power.

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